

**General Information**

**1992**  
**Video: 2 Head Rotary**  
**Audio: Linear Fixed 1**  
**Channel**  
**Covers Models**  
**Akai VS-F261/ VS-F262**  
**VS-F265/VS-F270**  
**VS-F275/VS-F290**

**Matrix**

Item	See Model
Mechanical Parts View	Akai VS-422/425 89/90 Book.
Mechanical Adjustments	Akai VS-F10/11 91/92 Book.
Replacement Pinch Roller	Akai VS10/11 91/92 Book.

**Mechanical Parts List**

Description	Part No.
6SET20X030SCM PKR FP	ZS-374458
6SET30X080SCM PKR CP	ZG-373900
Arm Coupling	ML-387311J2
Arm Damper	ML-391745J3
Arm Lid Opener	ML-387350J1
Arm Loading BLK 425EA	BL-V1102A140A
Arm Loading Brake	ML-387423J
Arm Review Part	ML-387277J3
Arm Shutter	ML-38734912
Base Drum	MA-387474J3
Head Combo HVMZA1121A	HR-405340J
Head E H VFME0020A	HE-390013J
Holder D-LED	MZ-387430J
Holder FE Head Part B	MZ-402760J1
Holder FPC	SZ-387388J
Holder Lever Tension (2)	SZ-407187J2
Holder Photo Sensor	MZ-387446JT
Holder S Sensor	MZ-387445J
Holder Thrust Worm	MR-387406J
Idler Part	MI-387294J
Leader S BLK 425EA	V-V1102A070A
Leader S BLK 425EA	BV-V1102A080A
Lever Damper (S)	ML-387345J
Lever Damper(T)	ML-387346J
Lever Lock Release	ML-387344J
Lever Trigger	ML-387402J1
Lower Drum BLK X400EGN	BV-V1123A410A

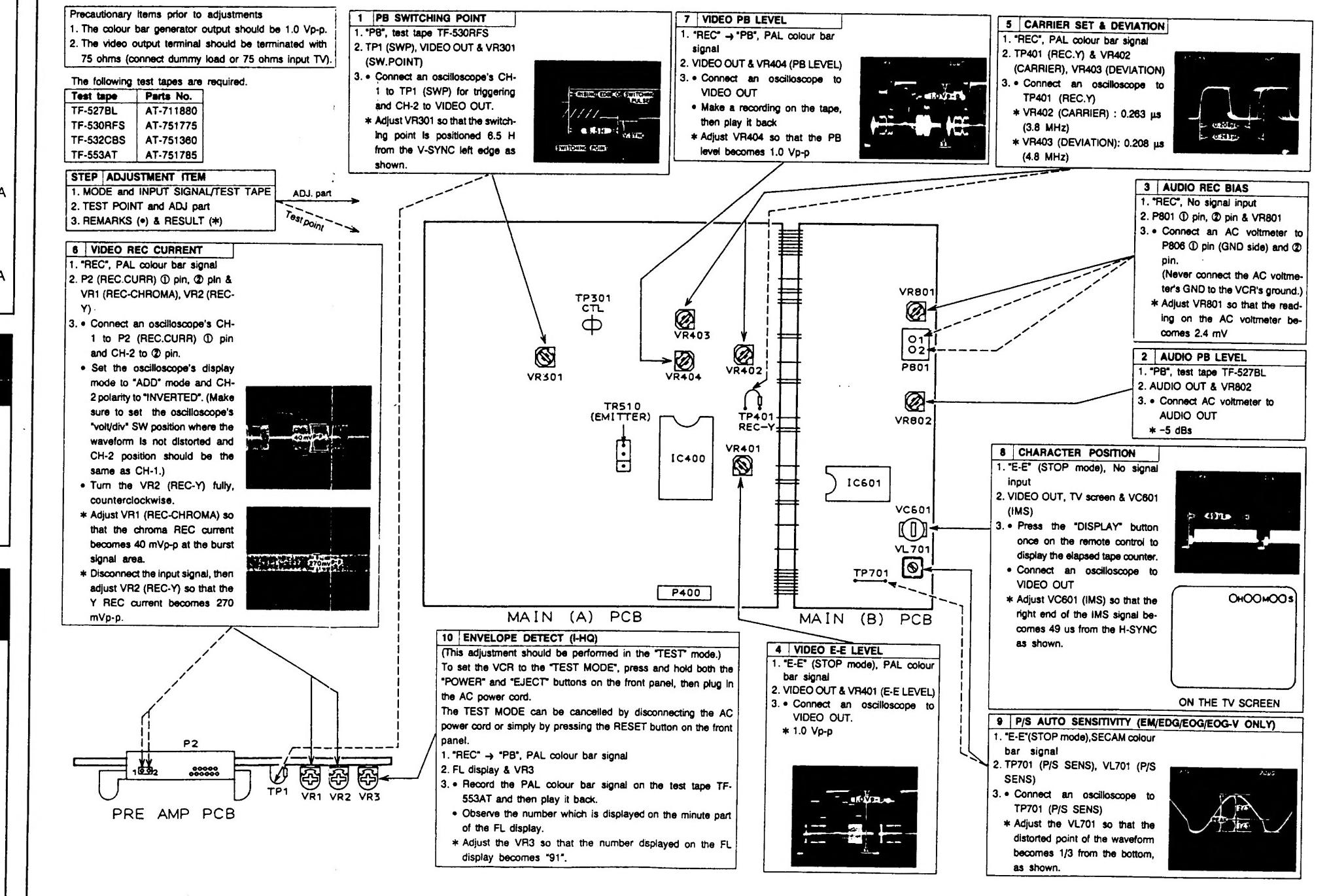
**Head Motors and Miscellaneous**

Part No.	Description
BV-V1123A410A	Lower Drum BLK X400EGN
BV-V1123A420A	Upper Drum BLK X400EGN
BM-401296J	Motor E20EL89 (Drum Motor)
HR-405340J	Head Combo HVMZA1121A
HE-390013J	Head VFME0020A
BM-400682J1	Motor DFX-67B3VWB1 (Capstan Motor)
BM-387503J	Motor Part (Loading Motor)

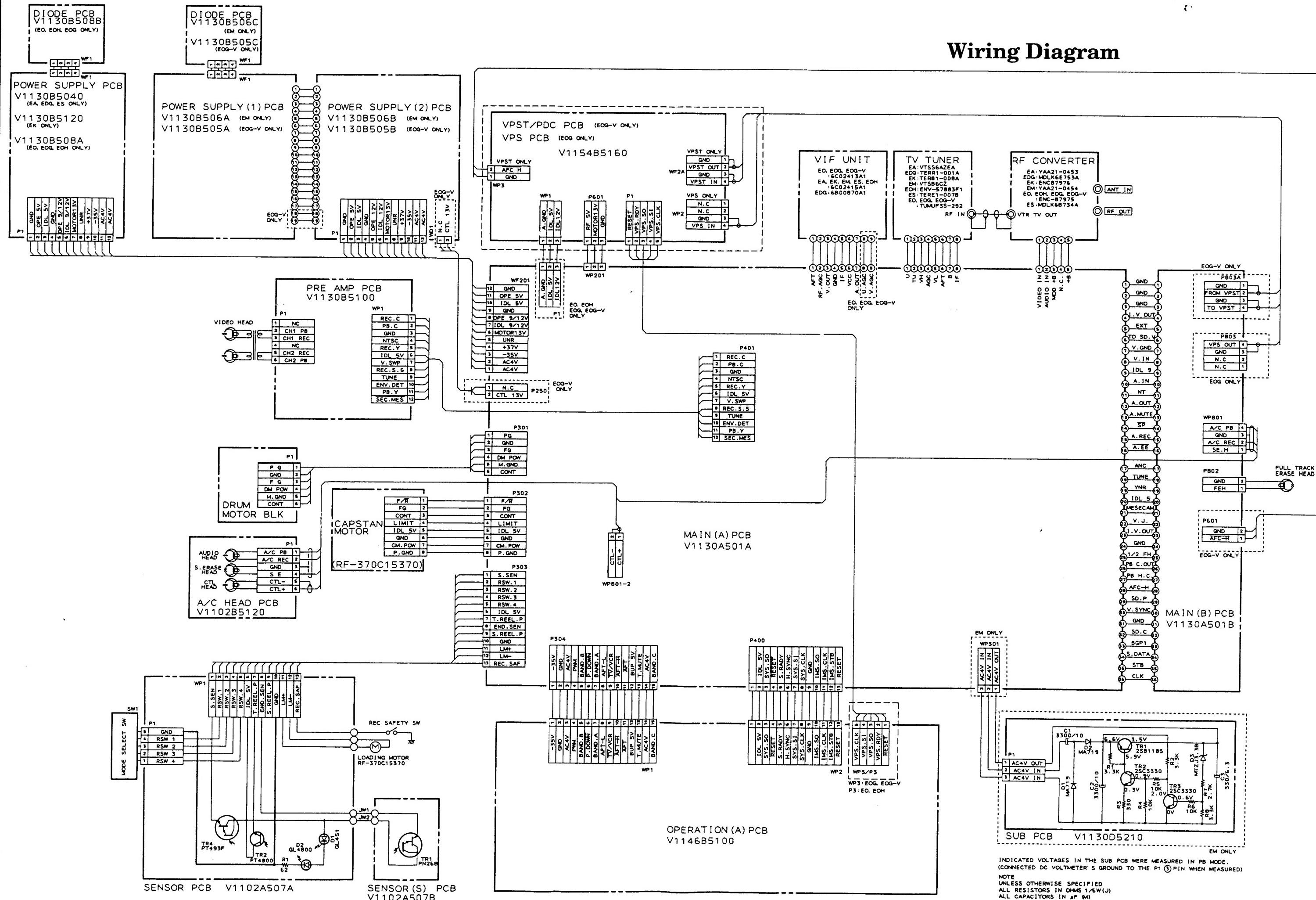
**Recommended Safety Parts**

Item	Part No.	Description
D71, 72	ED-511907	D Silicon 1N4002 100/1.0A EM
FR201	ER-400959J	R Fuse V TO5 ERD2FCV 1/4W 1200G
FR202, 501	ER-404093J	R Fuse V TO5 RF25SCVTP1/14WR56K
FR350	ER-400729J	R Fuse V TO5 RF25SCVTP1/4WR47K
FR601	ER-331188	R Fuse H S10 ERD2FC 1/4W BR2J EOG
RL101	EQ-400153J	Relay POW AG2013 1TR 12V EM
TR1, 5, 9, 13	ET-366365	TR 2SB1185 E,F
TR12	ET-405622J	TR 2SD2061 E,F
BT-403873J	Trans Pow V1130 EO (Except EOG-V)	
BT-403883J	Trans Pow V1130 EOG-V (EOG-V)	
BT-403872J	Trans Pow V1130 EK	
BT-403252J	Trans Pow V1130 EA	

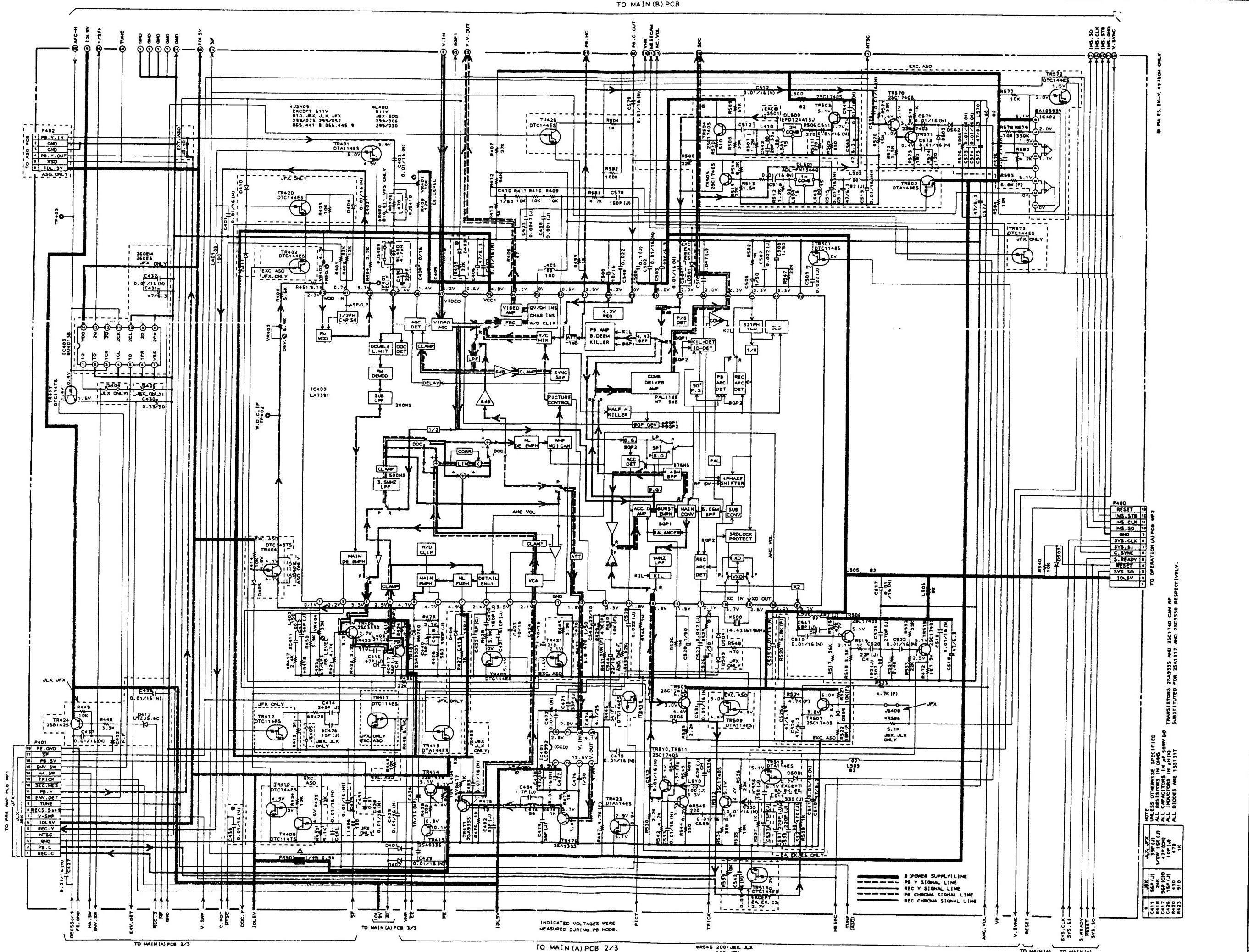
Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.	Description
Belt Capstan	MB-387289J	Main Brake (S) Part	ML-387316J	PW26X060X050PSL	ZW-389923J	SP Pull Review Brake	ZG-387323J	ST PAN30X06STL	ZG-387468J	SP Pull Slider	ZG-387272J	SP Pull Tension	ZG-387272J	CMT C080
BID20X04STL CMT	ZS-464703	Main Brake (T) Part	ML-387318J	PW31X110X050PSL	ZW-389814J	SP Pull Toggle	ZG-387414J1	SW Leaf	ZG-387438J1	SP Push A/C	ZG-387403J	SP Torsion Arm Damper	ZG-385567J	MTS1011MPC1
BID26X08STL CMT	ZS-563444	Mecha Deck BLK F260EA	BB-V1130A020H	Retaining Ring Grip	ZW-332843	SP Torsion Coupling	ZG-388290J1	SW Mode Select	ZG-387421J	SP Torsion Damper (T)	ZG-387421J	SP Torsion Damper(S)	ZG-392831J	TR Photo PN268 (TR1)
BID30X03STL CMT	ZS-425981	Motor DFX-67B3VWB1	(Capstan Motor)	380STL ACP	ML-387321J	SP Torsion Load (2)	ZG-387417J	TR Photo PT 4800 (TR2)	ZG-387418J	SP Torsion Load (S)	ZG-387418J	SP Torsion Load (T)	ZG-387420J1	TR Photo PT 493F (TR4)
BID30X08STL CMT	ZS-321298	Motor E20EL89	(Drum Motor)	Review Brake Part	ML-387286J1	SP Torsion Release	ZG-387282J	Upper Drum BLK 425EA	ZG-387443J	SP Torsion Review	ZG-387443J	SP Trigger	ZS-358936	Tension Arm BLK 425EA
Cassette Load BLK 425EA	BV-V1102A150A	Motor Part	MZ-387330J	Slider Brake Part	ML-387324J1	ST BID30X06STL CMT	ZS-336714	Tension Band Part	ZS-358936	Slider Front Loading	ZG-387443J	ST BID30X06STL CMT	ZS-336714	TR Photo PN268 (TR1)
CMT BID30X08STL CMT	ZS-321298	(Gear Worm Part)	NUT Review	Slider Pinch Part	ML-387428J	ST BID30X12STL CMT	ZS-336714	TR Photo PT 4800 (TR2)	ZG-387443J	Slider Trigger (2)	ML-387431J1	ST BID30X12STL CMT	ZS-336714	TR Photo PT 493F (TR4)
Cord FFC P1 25 L=12013P (WP1)	EW-389313J	PAN20X02STL BZN PS1	ZS-404844J	SLIDER W17X032X025PSL	ZW-374445	SP Torsion Release	ZG-387282J	Upper Drum BLK X400EGN	ZS-344754	SLIT W21X040X050PSL	ZW-387492J	SP Torsion Review	ZG-387443J	BV-V1123A420A
D LED GL451 Infrared (D1)	ED-390011J	PAN26X12STL CMT	ZS-467796	EJ-381837J	EJ-387497J	SP Loading Brake	ZG-387467J	ST PAN30X06STL CMT	ZS-344754	Pinch Roller (2) Part	MR-404852J	SP Loading Brake	ZG-387467J	ST BID30X06STL CMT
D LED GL4800 Infrared (D2)	ED-390012J	PC ( ) SENSOR	EA-387496J	Socket Housing	5062-30-10-13 (PS1)	SP Plate Earth	ZG-392294J	ST BID30X12STL CMT	ZS-336714	Pinch Roller (2) Part	ZS-358936	SP Plate Holder	ZG-387348J1	ST BID30X12STL CMT
Disk (2) Part	MT-390954J1	PT BID26X06STL CMT	ZS-365149	5062-30-10-13 (PS1)	EJ-387497J	SP Pull Main Brake	ZG-387320J	ST PAN30X06STL CMT	ZS-336714	PT BID26X10ST CMT	ZS-365149	SP Pull Main Brake	ZG-387320J	CMT C080
Disk Clutch Part	MZ-387298J3	PT BID30X06STL CMT	ZS-389950J	5062-30-10-13 (PS1)	EJ-387497J	SP Pull Main Brake	ZS-344754	Upper Drum BLK X400EGN	ZS-344754	Pulley Trigger(2)	MR-391968J	SP Pull Main Brake	ZG-387320J	CMT C080
Earth Brush Part AG	VT-401282J	PULLEY TRIGGER(2)	ZS-358936	5062-30-10-13 (PS1)	EJ-387497J	SP Pull Main Brake	ZG-387320J	ST PAN30X06STL CMT	ZS-344754	Pulley Trigger(2)	ZG-387320J	SP Pull Main Brake	ZG-387320J	CMT C080
Gear Eject	MZ-387335J	PT BID30X06STL CMT	ZS-358936	5062-30-10-13 (PS1)	EJ-387497J	SP Pull Main Brake	ZG-387320J	Upper Drum BLK X400EGN	ZS-344754	Pulley Trigger(2)	ZG-387320J	SP Pull Main Brake	ZG-387320J	CMT C080
Gear Front Loading	MZ-387333J	PT BID30X06STL CMT	ZS-358936	5062-30-10-13 (PS1)	EJ-387497J	SP Pull Main Brake	ZG-387320J	ST PAN30X06STL CMT	ZS-344754	Pulley Trigger(2)	ZG-387320J	SP Pull Main Brake	ZG-387320J	CMT C080
Gear Slam Slider	MZ-387331J	PT BID30X06STL CMT	ZS-358936	5062-30-10-13 (PS1)	EJ-387497J	SP Pull Main Brake	ZG-387320J	Upper Drum BLK X400EGN	ZS-344754	Pulley Trigger(2)	ZG-387320J	SP Pull Main Brake	ZG-387320J	CMT C080
Gear Toggle(S) BLK 425EA	MZ-V1102A090A	PT BID30X06STL CMT	ZS-358936	5062-30-10-13 (PS1)	EJ-387497J	SP Pull Main Brake	ZG-387320J	ST PAN30X06STL CMT	ZS-344754	Pulley Trigger(2)	ZG-387320J	SP Pull Main Brake	ZG-387320J	CMT C080
Gear Toggle(T) BLK 425EA	MZ-V1102A100A	PULLEY TRIGGER(2)	ZG-387320J	5062-30-10-13 (PS1)	EJ-387497J	SP Pull Main Brake	ZG-387320J	Upper Drum BLK X400EGN	ZS-344754	Pulley Trigger(2)	ZG-387320J	SP Pull Main Brake	ZG-387320J	CMT C080
Gear Worm Wheel	MZ-387332J	PULLEY TRIGGER(2)	ZG-387320J	5062-30-10-13 (PS1)	EJ-387497J	SP Pull Main Brake	ZG-387320J	ST PAN30X06STL CMT	ZS-344754	Pulley Trigger(2)	ZG-387320J	SP Pull Main Brake	ZG-387320J	CMT C080
Guide Front (2)	SE-395554J	PULLEY TRIGGER(2)	ZG-387320J	5062-30-10-13 (PS1)	EJ-387497J	SP Pull Main Brake	ZG-387320J	Upper Drum BLK X400EGN	ZS-344754	Pulley Trigger(2)	ZG-387320J	SP Pull Main Brake	ZG-387320J	CMT C080
Guide Roller D8 PART	T-387394J1	PULLEY TRIGGER(2)	ZG-387320J	5062-30-10-13 (PS1)	EJ-387497J	SP Pull Main Brake	ZG-387320J	ST PAN30X06STL CMT	ZS-344754	Pulley Trigger(2)	ZG-387320J	SP Pull Main Brake	ZG-387320J	CMT C080

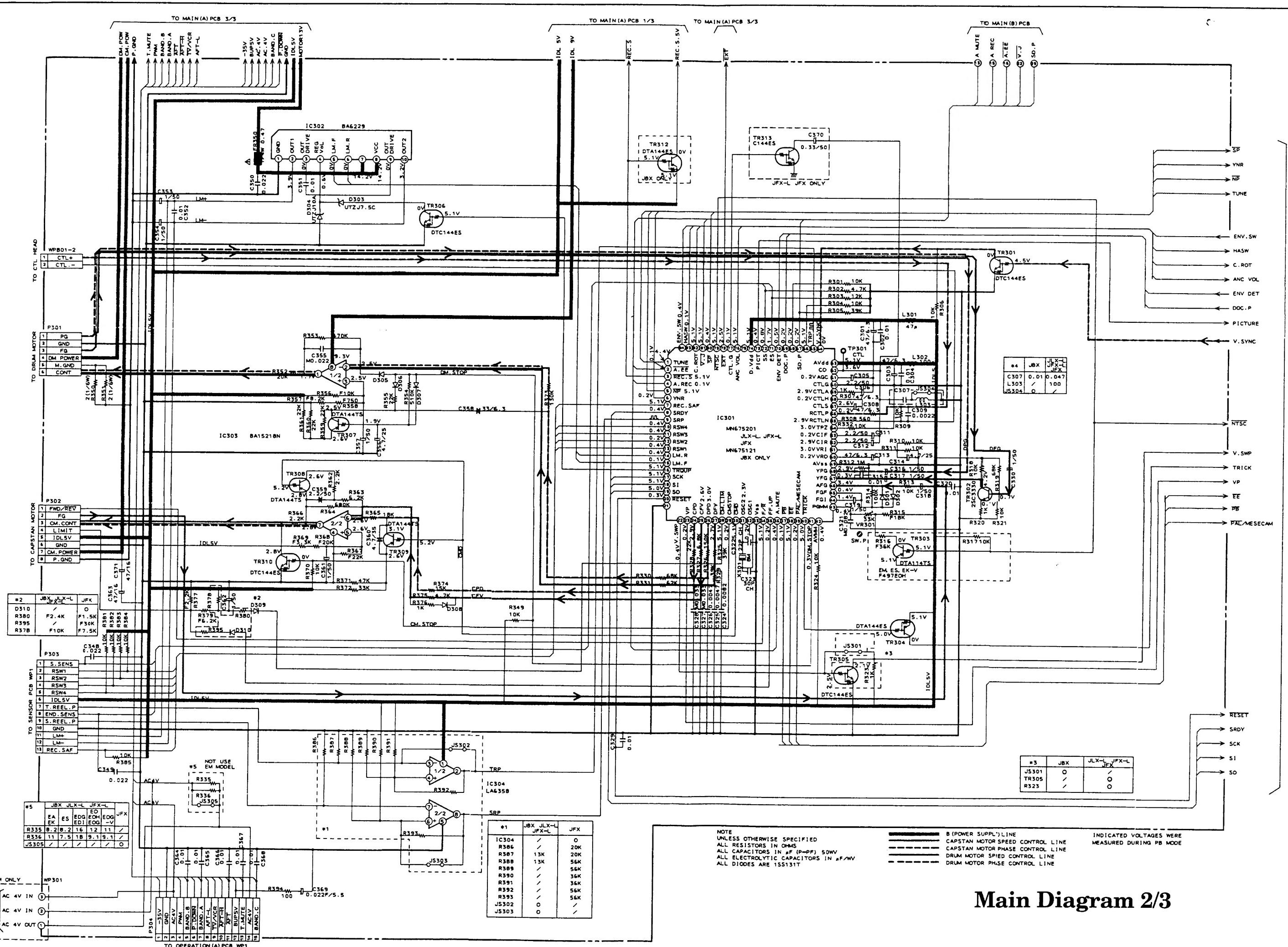
**Service Adjustments**

## Wiring Diagram



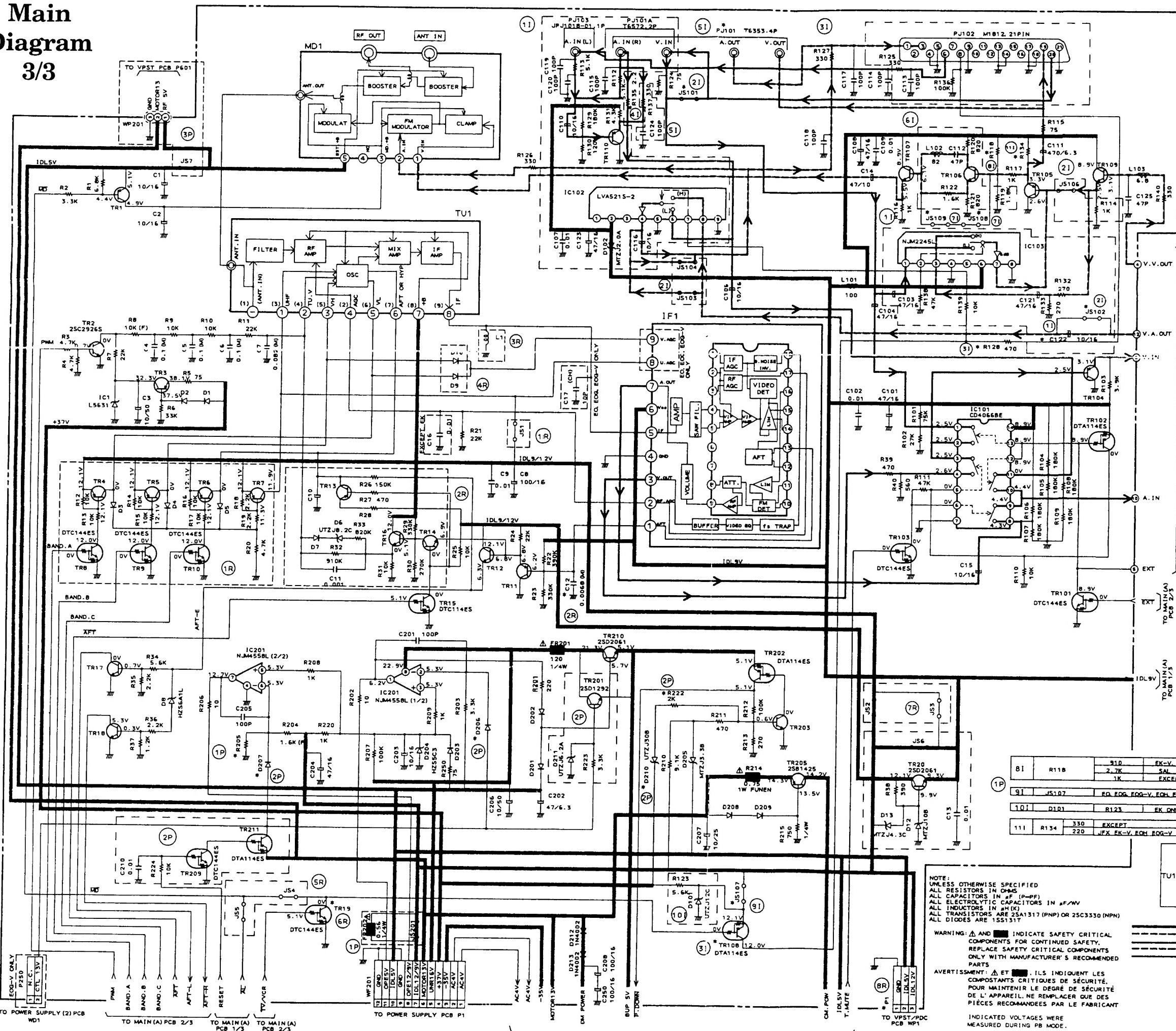
# Main Diagram





Main Diagram 2/3

# Main Diagram 3/3



1R	TR5, TR5, TR7	25A1317	
	TR8, TR9	DTC144ES	EXCEPT
	R12, R13, R14, R15	10K	EK, EK-V
	R18, R19	2.2K	
	R20	4.7K	
	D5, D4	155131T	
	TR6	25A1317	
	TR10	DTC144ES	EOM ONLY
	R16, R17	10K	
	D5	155131T	
	JS1		EK, EK-V

2R	TR13	25A1317	EXCEPT EOM EOM ONLY
	R26	150K	
	R27	470	
	C10	1/50	
		2.2/50	EK, EK-V, EDG, EDG-V EQ, EM, JFX-ES
	R28	910	
		560	ED, EOG, EOG-V, EK-V
	TR14, TR16	25C3330	
	R29	330K	
	R30	270K	
	R31	10K	
	R32	910K	
	R33	820K	
	C11	0.001	
	C12	0.0068(0)	
	D7	155131T	

3R	L1	1.0 0.82 0.68 NONE	EA JFX-EOM EK-EK-V_EM EO, EOG, EOG-V, EDG, EDI, ES JDX-EOM, JUX-EOM
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4R	D9, D10	1SS131T	EQ, EOG, EOG-V
5R	JS4 JS5	EA, EM EXCEPT EA, EM	7R JS2 JS3 EXCEPT EK-V EK-V ONLY

1.6R_1TR19_1DTG144ES		EXCEPT ES. EDG. EDI			
BR	P1	PM 3P	EO	EOH	EDG
1P	R205	1.3K (F)	EO	EOH	EDG
		2.2K (F)			EV. EK-V
	TR20	2SD2061		EA	EM. ES. EK. EDG. EDI
	C15	0.01			
	R3B	350	EO	EOH	EDG
	D12	013		EOG	EV. EK-V
	J56	J5201	FR202		
				EA	EM. ES. EK. EDG. EDI

	R222	2K	
	R223	3.3K	
	R224	10K	
2P	D206, D207	155131T	EDG, EDG-V
	D210	UTZJ30A	ONLY
	D211	UTZJ6_2A	
	TR201	2SD1292	
	TR209	DTC144ES	
	TR211	DTA114ES	
	C210	0.01	

3P	JS7	EXCEPT FOG FOG-V
	WP201	FOG FOG-V ONLY
	P250	FOG-V ONLY

	TR110	C121	JFX-
	IC102	C122	EK-V
	IC103	C123	EOH, EOG-V
	C103	R112	ONLY
	C105	R113	
	C107	R129	C115
	C110	R130	EOG-V
	C115	R131	'H BLK.
	C116	R132	0102
	C119	R133	R139
11			P101A

	J5101	JS104	EXCEPT
21	J5102	JS106	JPK EK-V
	J5103	R114	EOH EOG-Y
31	PJ102	R125	EK, EO, EOG
	C113	R128	EK-V, EOG-V
	C114	R136	EOH

	IR108	
41	R135	JBX, JLX- EK, EO, EOG, EOH, EK-V, EOG-V JFX- EO, EOG

51	PJ101 C124	R137	EA EDG EM ES EDI
	C112 C113	R122	

C	R120	TR106	SAL
	R121		
71	JS108	JS109	EXCEPT SAL

J B X	J L X	J F X
YTSS6AZ EA	←	←
TERR1-001A	←	←
TERR1-008A	←	←
VTSB6CZ	←	←

NOTE:  
UNLESS OTHERWISE SPECIFIED  
ALL RESISTORS IN OHMS  
ALL CAPACITORS IN  $\mu$ F (P-PF)  
ALL ELECTROLYTIC CAPACITORS IN  $\mu$ F/WV  
ALL INDUCTORS IN  $\mu$ H (K)  
ALL TRANSISTORS ARE 2SA1317 (PNP) OR 2SC3330 (NPN)  
ALL DIODES ARE 1N4007

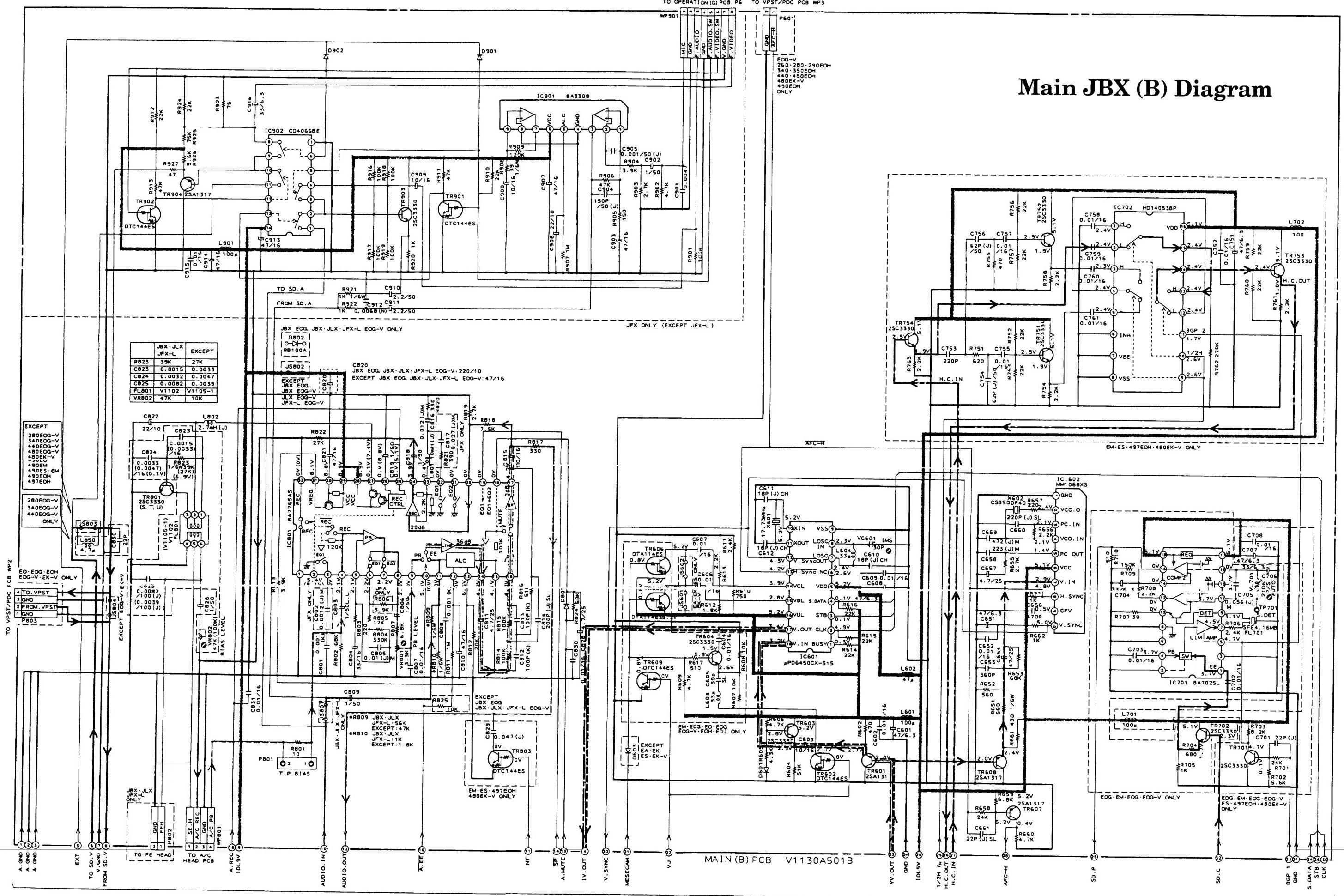
ALL DICES ARE ISSUED  
WARNING: **A** AND **B** INDICATE SAFETY CRITICAL  
COMPONENTS FOR CONTINUED SAFETY.  
REPLACE SAFETY CRITICAL COMPONENTS  
ONLY WITH MANUFACTURER'S RECOMMENDED  
PARTS.

**AVERTISSEMENT: △ ET [REDACTED], ILS INDIQUENT LES  
COMPOSTANTS CRITIQUES DE SÉCURITÉ.  
POUR MAINTENIR LE DÉGRÉ DE SÉCURITÉ  
DE L'APPAREIL, NE REMPLACER QUE DES  
PIÈCES RECOMMANDÉES PAR LE FABRICANT**

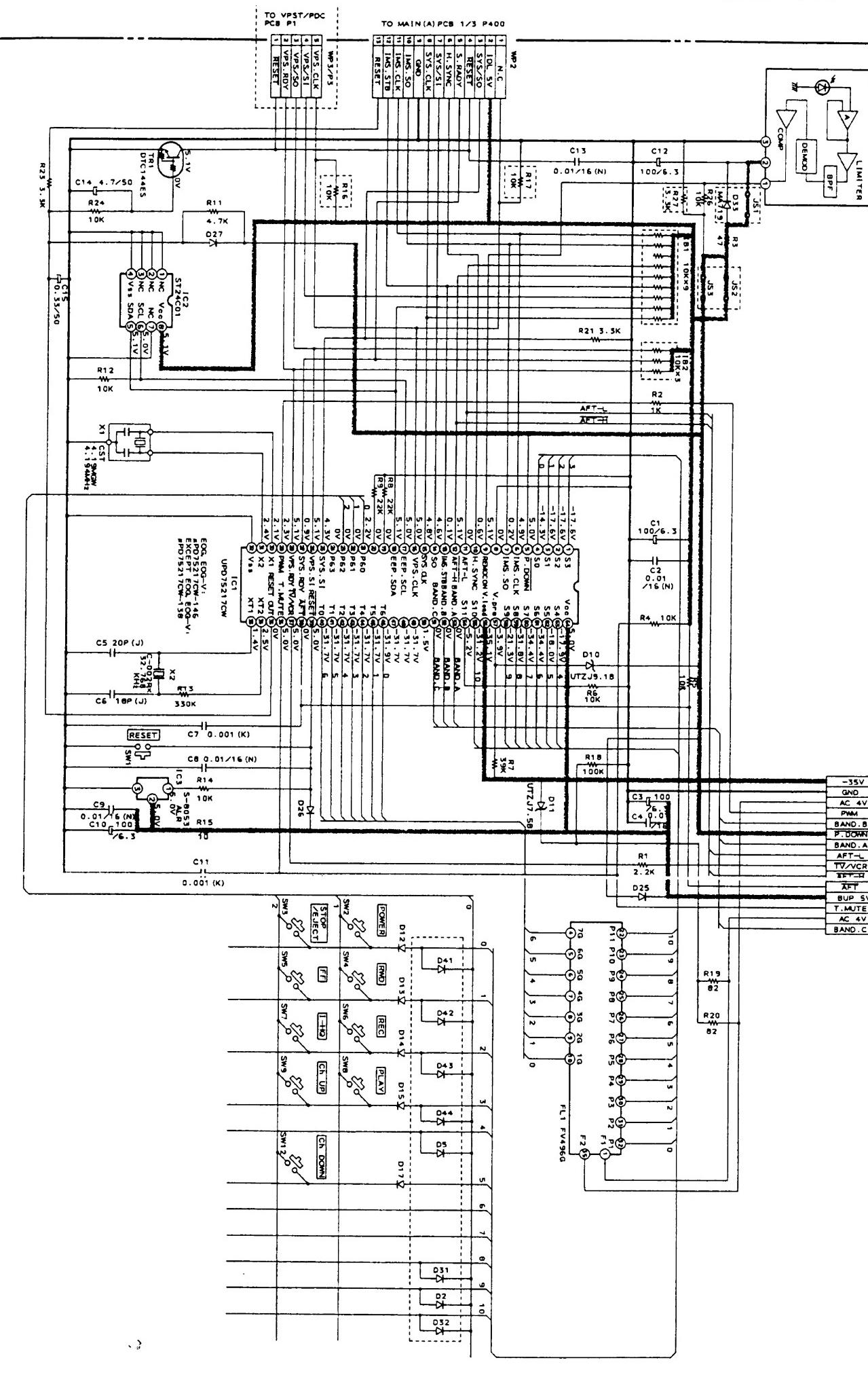
ST/PDC  
WP1      INDICATED VOLTAGES WERE  
                MEASURED DURING PB MODE.

B (POWER SUPPLY) LINE	YAA21-0453	EA
AUDIO OUT (E-E, PB) LINE	YAA21-0454	EM
AUDIO IN (E-E, REC) LINE	FNC6795	EQ, EGG, EGG-V, EDH
VIDEO OUT (E-E, PB) LINE	ECK6796	EK, EK-V
VIDEO IN (E-E, REC) LINE	MOKLBB013B	ES
	MOKLBB333A	EDQ
	MOKLKE565A	EQI

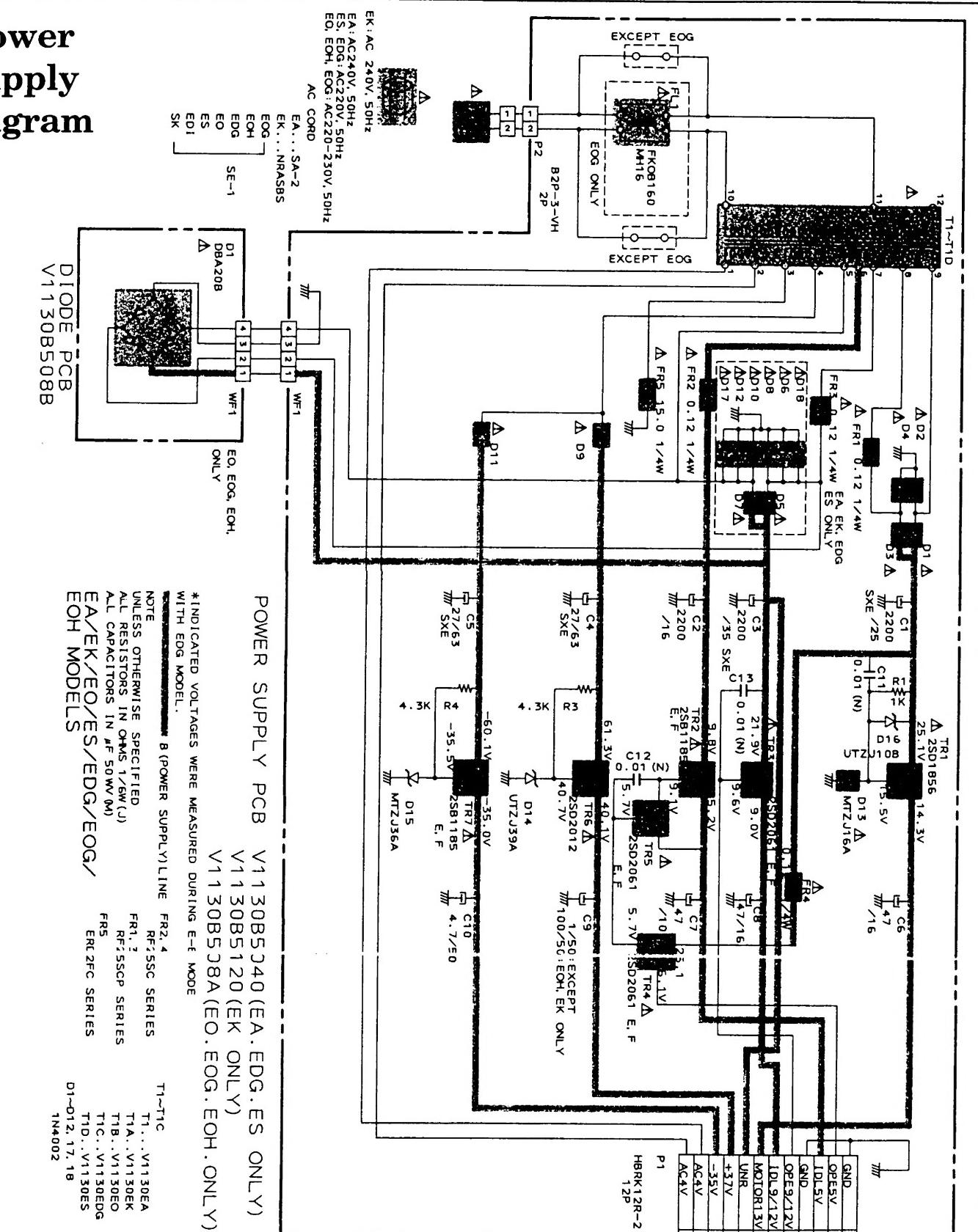
JBX  
MAIN (A) 3/3



# Main JBX (B) Diagram



## Power Supply Diagram

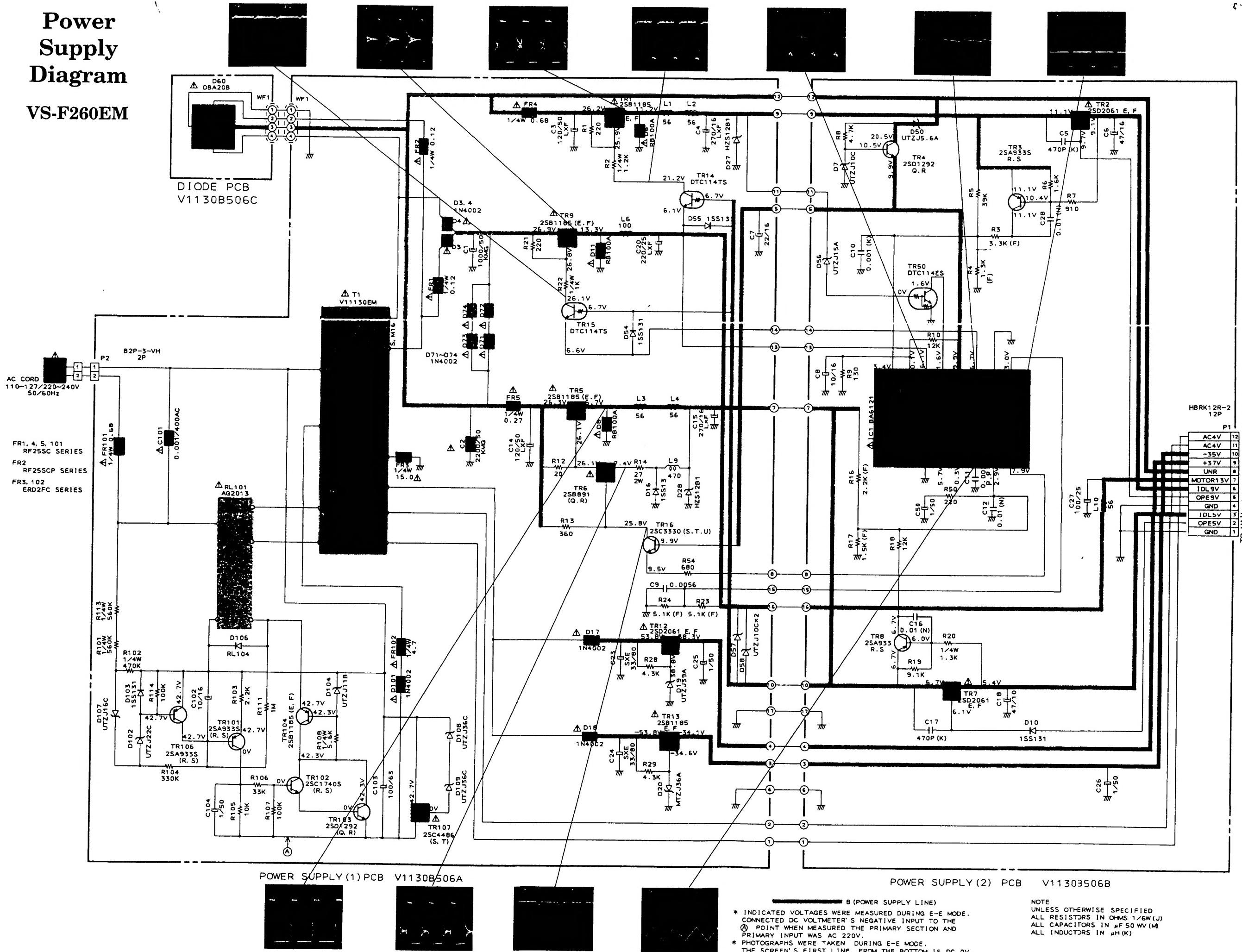


## Operations JBX (A) Diagram

E	A	EDG	EK	EM	E	EO	EO-V	EOH	EDI	E	S	SEG	SK	JFX-L (PAL)/JFX-L (SECAM)
D2										O				
D5										O				
D31										O				
D32										O				
D33										O				
D41										O				
D42										O				
D43										O				
D44										O				
J51										O				
J52										O				
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J140														

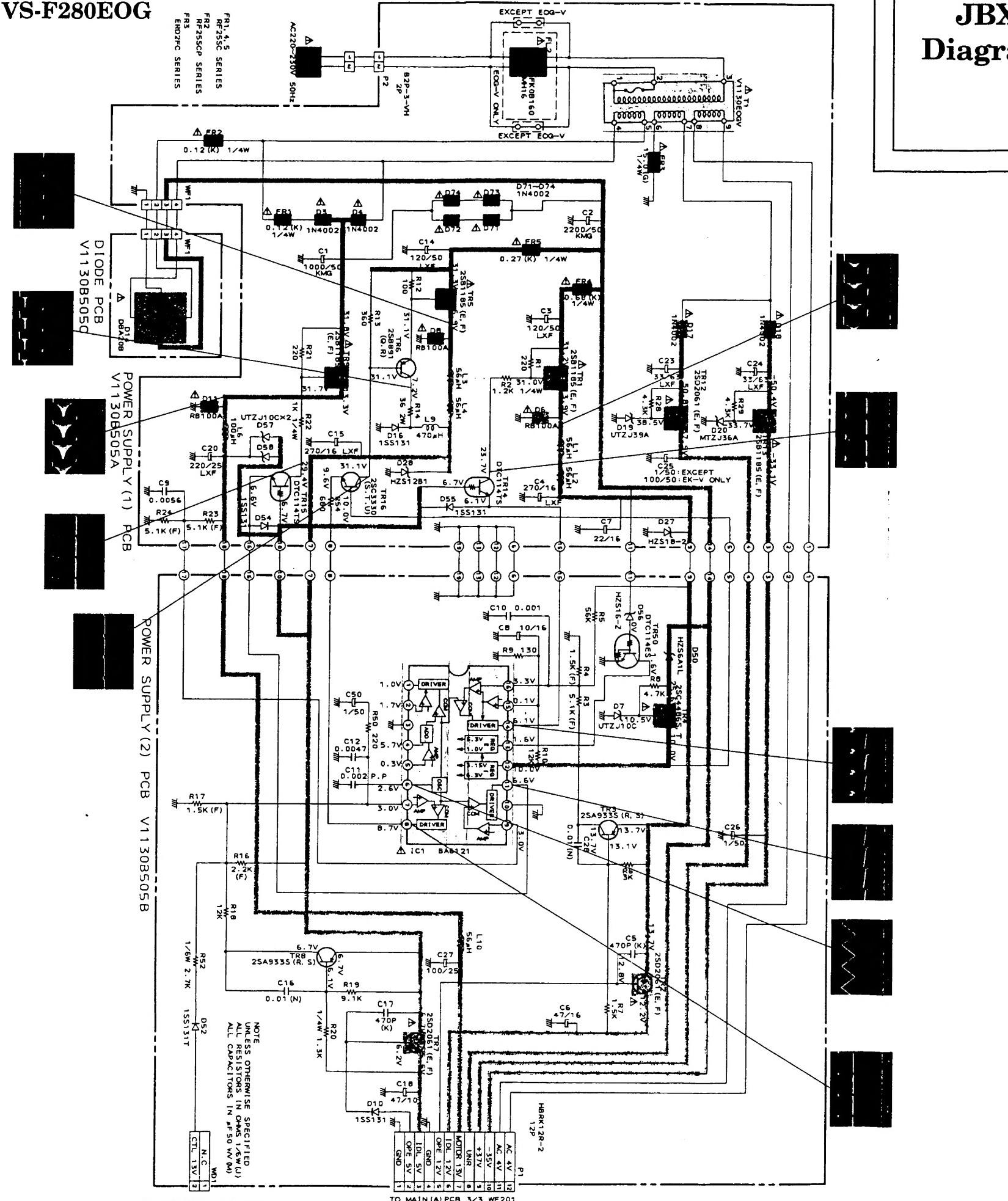
## Power Supply Diagram

VS-F260EM

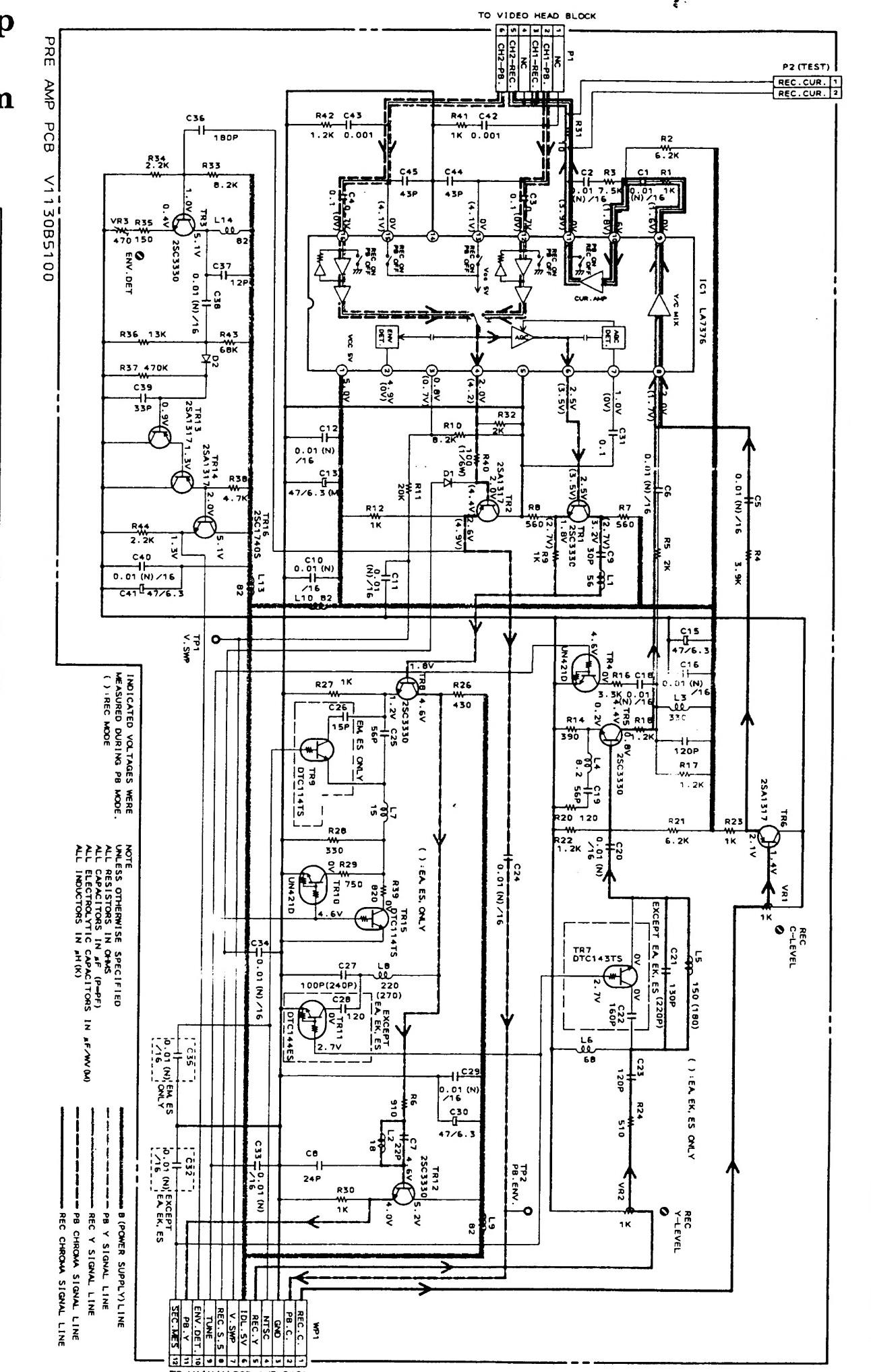


# Power Supply Diagram

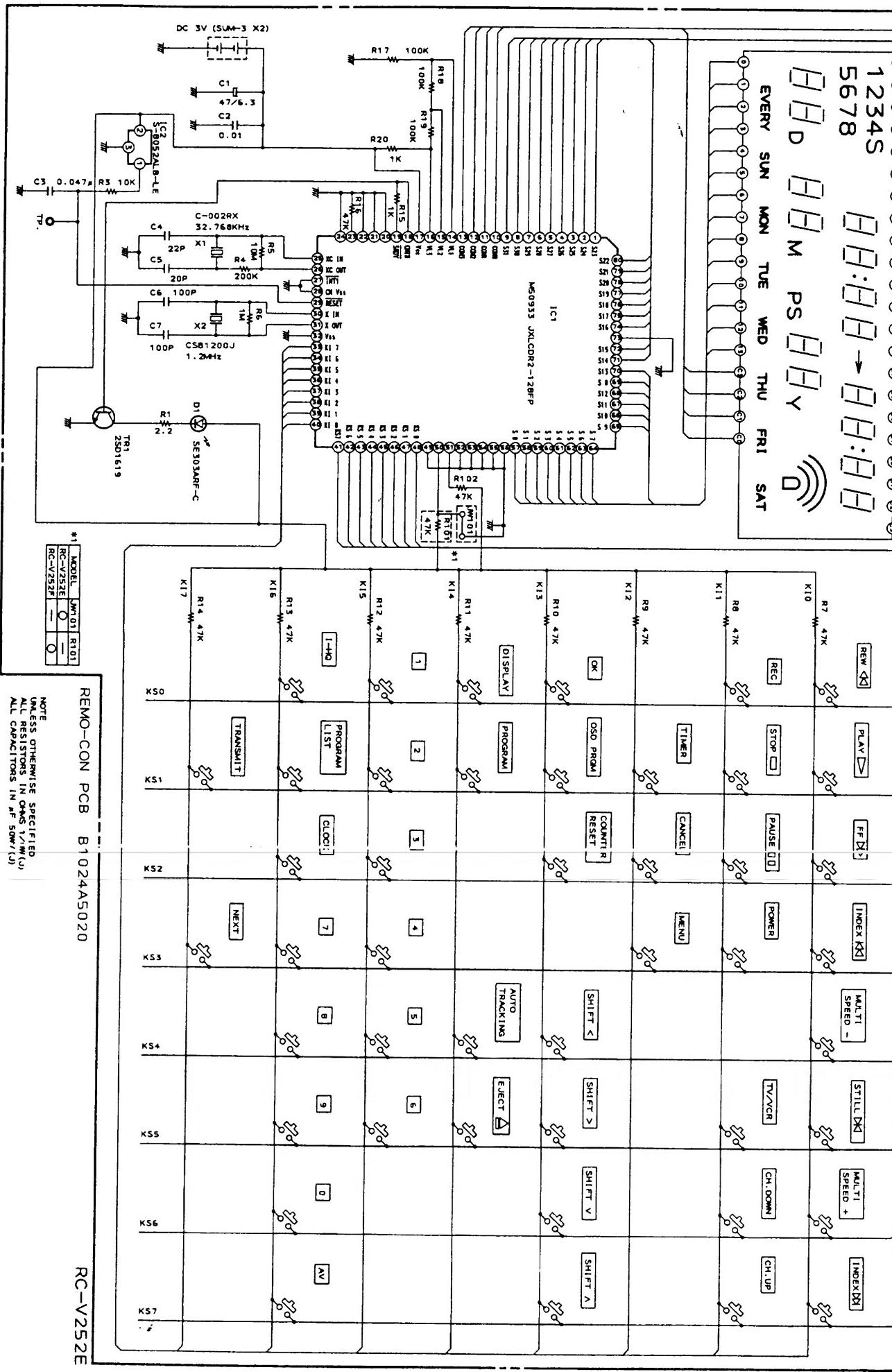
## VS-F280EOG



# Pre Am JBX Diagram

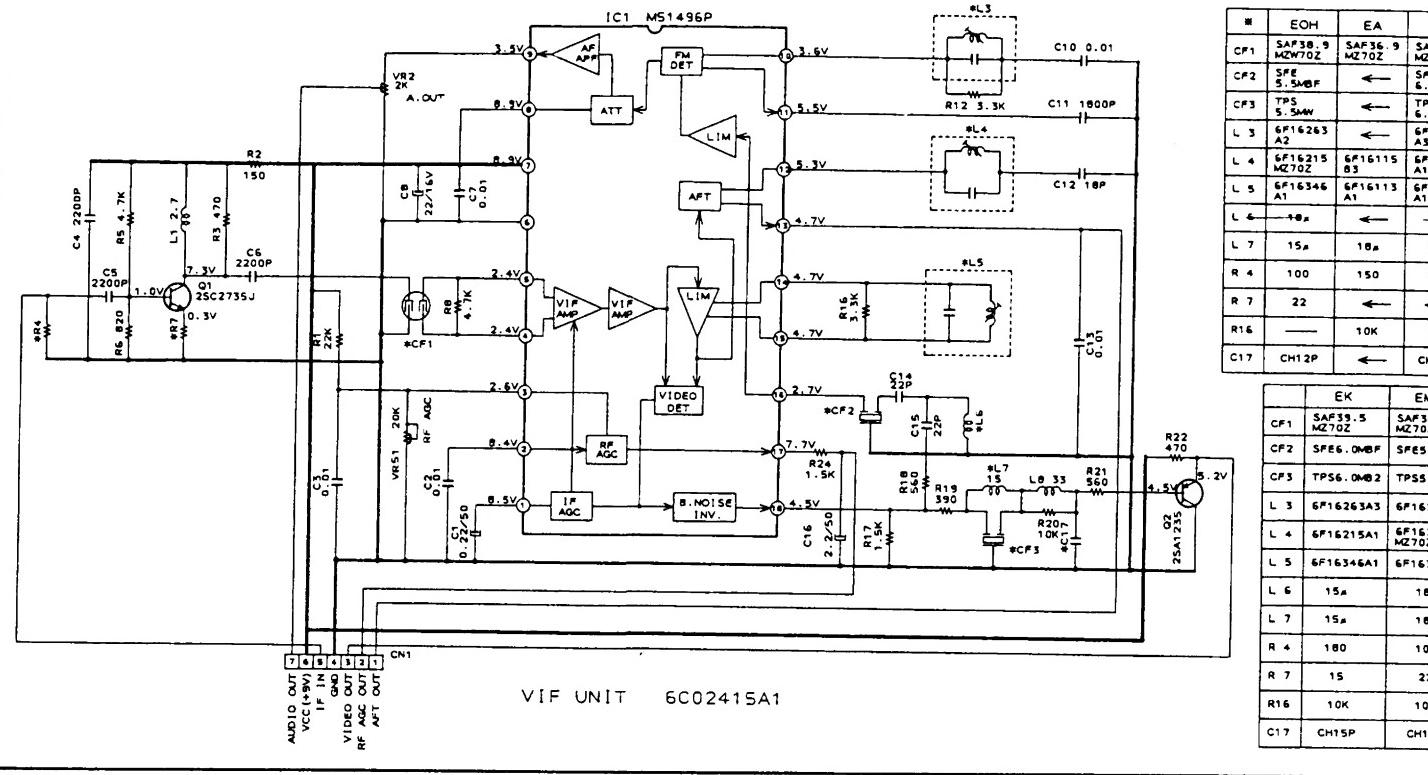
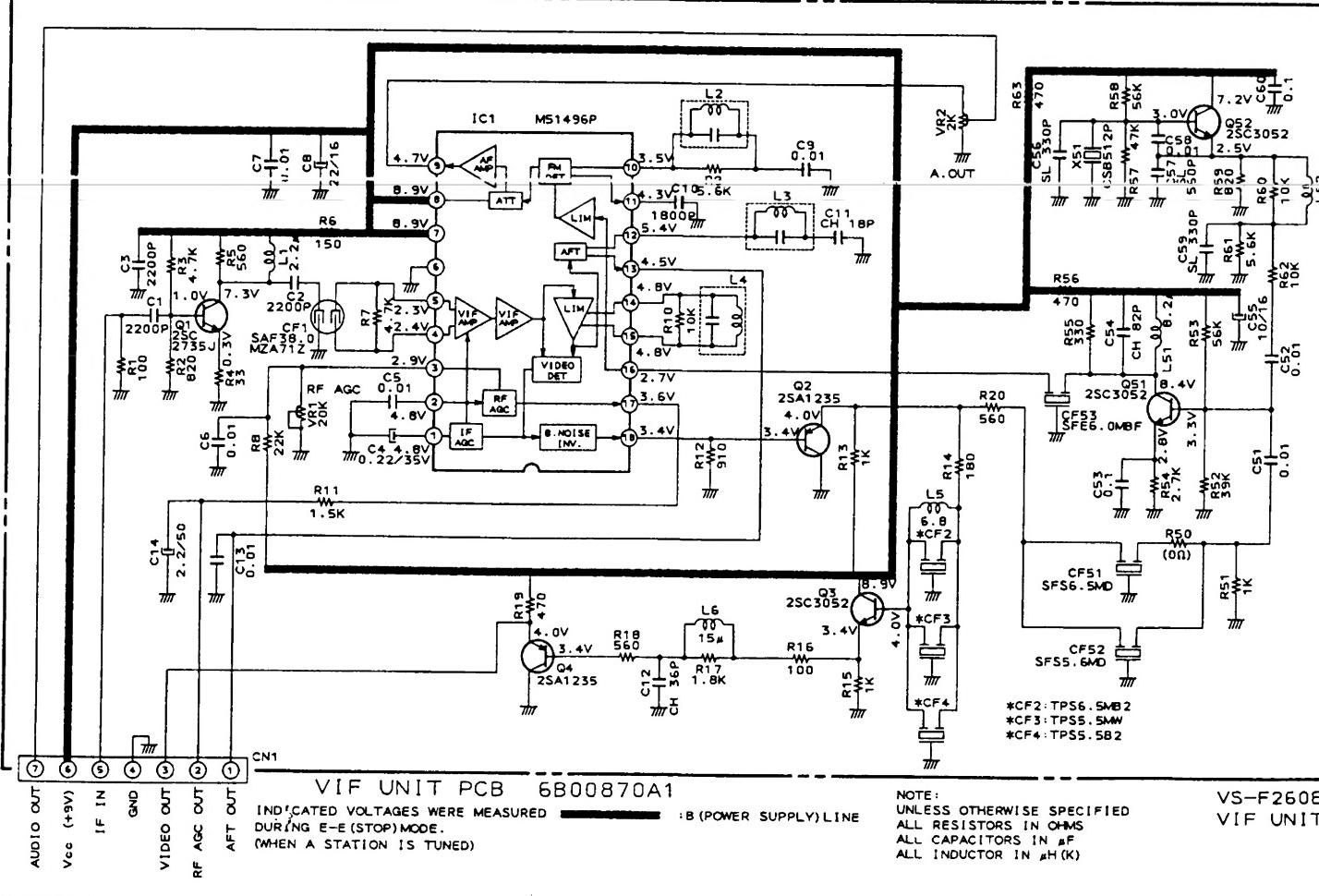
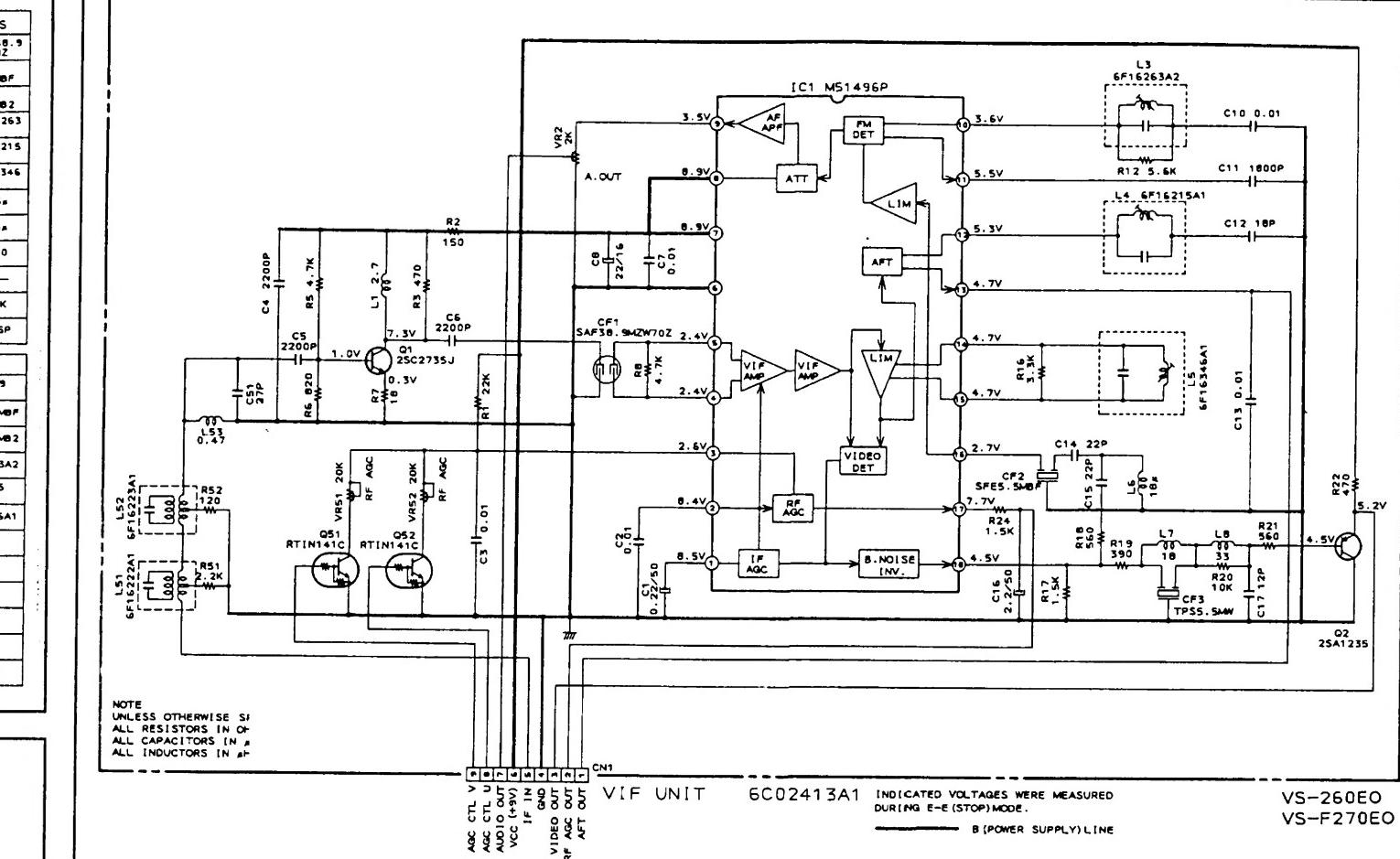


## Remote Control Unit Diagram

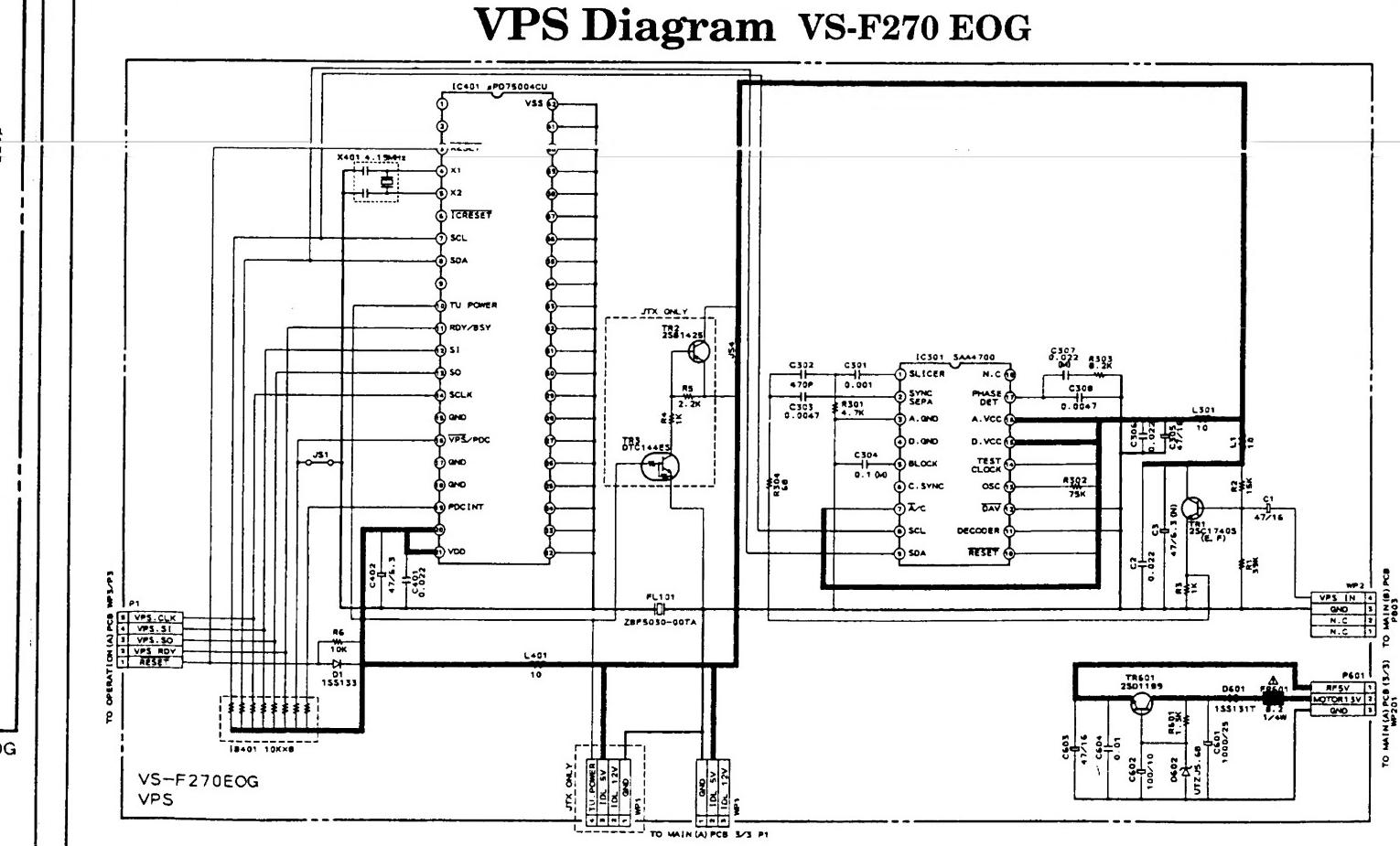


## VIF Unit Diagram

EA/EK/EM/EOH/ES

VIF Unit Diagram  
VS-F260EDGVIF Unit Diagram  
VS-F260 EO / VS-F270EO/F280EO/EOG-V

## VPS Diagram VS-F270 EOG



**VPST/PDC  
Diagram  
VS-F280 EOG-V**

